METCALFE COUNTY REPORT
OF
ENDANGERED, THREATENED, AND SPECIAL CONCERN
PLANTS, ANIMALS, AND NATURAL COMMUNITIES
OF
KENTUCKY

KENTUCKY STATE NATURE
PRESERVES COMMISSION
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www.naturepreserves.ky.gov

Data Current as of February 2006

Kentucky State Nature Preserves Commission
Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered
SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled	GU = Unrankable
G2 = Imperiled	G#? = Inexact rank (e.g. G2?)
G3 = Vulnerable	G#Q = Questionable taxonomy
G4 = Apparently secure	G#T# = Infraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G'
G5 = Secure	portion of the rank then refers to the entire species)
GH = Historic, possibly extinct	GNR = Unranked
GX = Presumed extinct	GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled	SU = Unrankable	Migratory species may have separate ranks for different
S2 = Imperiled	S#? = Inexact rank (e.g. G2?)	population segments (e.g. S1B, S2N, S4M):
S3 = Vulnerable	S#Q = Questionable taxonomy	S#B = Rank of breeding population
S4 = Apparently secure	S#T# = Infraspecific taxa	S#N = Rank of non-breeding population
S5 = Secure	SNR = Unranked	S#M = Rank of transient population
SH = Historic, possibly extirpated	SNA = Not applicable	
SX = Presumed extirpated		

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county
H - reported from the county but not seen for at least 20 years
F - reported from county & cannot be relocated but for which further inventory is needed
X - known to be extirpated from the county
U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
Habitat						E	H	F	X	U
Metcalfe	Vascular Plants	*Helianthus eggertii*	Eggert's Sunflower	T /	G3 / S2	1	0	0	0	0
Open oak hickory forest on the highland rim in KY; rocky hills and barrens and roadside remnants of this habitat.										
Metcalfe	Vascular Plants	*Ludwigia hirtella*	Hairy Ludwigia	E /	G5 / S1	0	1	0	0	0
Pine barrens, savannas, and sandy soil or peaty swamps.										
Metcalfe	Vascular Plants	*Potamogeton pulcher*	Spotted Pondweed	T /	G5 / S1S2	2	0	0	0	0
Peaty or muddy acid waters or shores, ponds (especially sinkhole), slow streams, and swamps.										
Metcalfe	Vascular Plants	*Ulmus serotina*	September Elm	S /	G4 / S3	2	0	0	0	0
UPLAND TO BOTTOMLAND LIMESTONE WOODS, ALLUVIAL TERRACES.										
Metcalfe	Freshwater Mussels	*Simpsonaias ambigua*	Salamander Mussel	T / SOMC	G3 / S2S3	1	0	0	0	0
OFTEN FOUND BURIED IN SUBSTRATE SUCH AS SOFT MUD AND/OR GRAVEL, AND/OR UNDER FLAT STONES IN SHALLOW WATER IN SMALL STREAMS WHERE THE CURRENT MAY BE SWIFT (BAKER 1928, BUCHANAN 1980, GOODRICH AND VAN DER SCHALIE 1944).										
Metcalfe	Freshwater Mussels	*Villosa lienosa*	Little Spectaclecase	S /	G5 / S3S4	5	0	0	0	0
INHABITS SMALL TO MEDIUM-SIZED RIVERS, USUALLY IN SHALLOW WATER ON A SAND/MUD/DETRITUS BOTTOM (PARMALEE 1967, GORDON AND LAYZER 1989).										
Metcalfe	Crustaceans	*Barbicambarus cornutus*	Bottlebrush Crayfish	S /	G3G4 / S2	1	0	0	0	0
LIVES UNDER OR NEAR LARGE, FLAT COBBLES OR BOULDERS IN STREAMS.										
Metcalfe	Insects	*Allocapnia cunninghami*	A Capniid Stonefly	T /	G1 / S1S2	1	0	0	0	0
SPRING-FED STREAMS IN KARST HABITATS.										
Metcalfe	Insects	*Erora laeta*	Early Hairstreak	T /	G3G4 / S1	0	0	0	1	0
DECIDUOUS OR MIXED WOODS -- OFTEN ALONG DIRT ROADS OR OPEN RIDGETOPS (OPLER AND MALIKUL 1992).										
Metcalfe	Fishes	*Etheostoma maculatum*	Spotted Darter	T / SOMC	G2 / S2	2	0	0	0	0
INHABITS MEDIUM TO LARGE STREAMS WHERE IT OCCURS AMONG COARSE GRAVEL, COBBLE AND BOULDERS IN SWIFT RIFFLES AND SHOALS (KUEHNE AND BARBOUR 1983, PAGE 1983, ZORACH AND RANEY 1967, STILES 1972, BURR AND WARREN 1986, KESSLER 1992).										
Metcalfe	Fishes	*Phenacobius uranops*	Stargazing Minnow	S /	G4 / S2S3	0	2	0	0	0
INHABITS MEDIUM-SIZE STREAMS TO SMALL RIVERS WITH HIGH GRADIENT, PERMANENT FLOW, CLEAR WATER, AND PEBBLE AND GRAVEL SUBSTRATES (BURR AND WARREN 1986).										
Metcalfe	Fishes	*Thoburnia atripinnis*	Blackfin Sucker	S / SOMC	G2 / S2	1	0	0	0	0
SMALL STREAMS WITH CLEAR WATER, ALTERNATING POOLS AND RIFFLES. ASSOCIATED WITH SLAB ROCK AND GRAVEL BOTTOMS, UNDERCUT BANKS, AND MODERATE CURRENT (BAILEY 1959, ETNIER AND STARNES 1993, TIMMONS ET AL. 1983, BURR AND WARREN 1986).										
Metcalfe	Breeding Birds	*Ammodramus henslowii*	Henslow's Sparrow	S / SOMC	G4 / S3B	1	0	0	0	0
OPEN FIELDS & MEADOWS W/ GRASS INTERSPERSED W/ WEEDS OR SHRUBBY VEG., ESPEC. IN DAMP OR LOW-LYING AREAS, ADJACENT TO SALT MARSH IN SOME AREAS. IN MIGRATION & WINTER ALSO IN GRASSY AREAS ADJACENT TO PINE WOODS OR SECOND-GROWTH WOODS.										
Metcalfe	Mammals	*Myotis grisescens*	Gray Myotis	T / LE	G3 / S2	1	0	0	0	0
Gray bats use primarily caves throughout the year, although they move from one cave to another seasonally. Males and young of the year use different caves in summer than females.										
Metcalfe	Communities	*Shrub swamp*		/	GNR / S2S3	3	0	0	0	0